



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010570  
CERTIFICATION DATE: October 29, 2013  
DATE RECERTIFICATION DUE: April 27, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

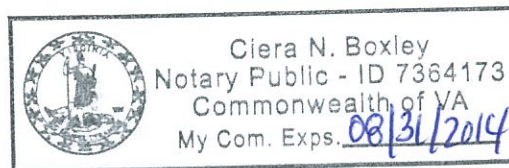
Melissa Kennedy  
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of November, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



DBH  
NBL

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 11/1/2013**

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**Instrument Serial Number:** 010570 **As of 01-Nov-13**

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<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
29-Oct-13	29-Oct-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
14-May-13	14-May-13	DBH (21250)	CERTIFIED.
27-Nov-12	27-Nov-12	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
09-Aug-12	09-Aug-12	DBH (21250)	CERTIFIED
30-Jul-12	30-Jul-12	HMS (18910)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
06-Feb-12	06-Feb-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
18-Aug-11	18-Aug-11	HMS (18910)	CERTIFIED
10-Mar-11	10-Mar-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Sep-10	29-Sep-10	HMS (18910)	CERTIFIED
22-Jun-10	13-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD.
13-Apr-10	13-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
28-Oct-09	28-Oct-09	RJP (22428)	CERTIFIED.
16-Jun-09	16-Jun-09	HMS (18910)	CALIBRATED AND CERTIFIED.
22-Apr-09	22-Apr-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
MSR

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010570 Worksheet Start Date 10/29/2013  
Location Carroll CO SO  
Address 605 Pine St Hillsville VA 24343  
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

## Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

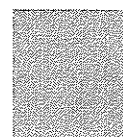
The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.  
E-Seek  
Keyboard  
Printer  
UPS

New serial no.

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:



Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010570

Certification Date 10/29/2013

Instrument Barometer (mm HG) 700

Reference Barometer (mm HG) 704

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.228
0.250	0.230	0.223	0.236	Sample 2	0.228
Precision		sample min	sample max	Sample 3	0.228
0		0.228	0.228		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.138
0.150	0.138	0.133	0.142	Sample 2	0.138
Precision		sample min	sample max	Sample 3	0.138
0		0.138	0.138		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.074
0.080	0.074	0.071	0.077	Sample 2	0.074
Precision		sample min	sample max	Sample 3	0.074
0		0.074	0.074		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.018	0.015	0.021	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-24

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.092
0.100	0.092	0.089	0.095	Sample 2	0.092
Precision		sample min	sample max	Sample 3	0.092
0		0.092	0.092		

DFS Technician

*Donald B Hall*

Date

11/1/13

Issuing Analyst

*Melissa Kennedy*

Date

11/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2






COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/29/2013</b>
TEST EQUIPMENT NUMBER <b>010570</b>		

RESULTS: TIME SAMPLE TAKEN 16:12 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 30 Oct 2013 at 08:24

HMS  
DBH  
WHL

## Test Results

Instrument Serial Number 010570

Test # 001718 Subject Test

Test Location 1 Department of  
Test Date 29 Oct 2013

Test Location 2 Forensic Science  
Test Time 16:05  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

License Number 21250  
Operator's Middle Initial B

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 29 Oct 2013 End Time 16:13

Result Time 16:12

Result Date 29 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:05

Data Type BLK

Sample Value 0.000

Sample Time 16:06

Data Type CHK

Sample Value 0.094

Sample Time 16:07

Data Type BLK

Sample Value 0.000

Sample Time 16:08

Data Type SUBJ

Sample Value 0.000

Sample Time 16:09

Data Type BLK

Sample Value 0.000

Sample Time 16:10

Data Type SUBJ

Sample Value 0.000

Sample Time 16:12

Data Type BLK

Sample Value 0.000

Sample Time 16:13

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG217702-17

Standard Expiration Date 06/25/2014

Tank Pressure 919

Barometric Pressure 700 mmHg

Blow Sample Number 1 Blow Duration 3.55 sec

Blow Volume 1757 cc End-of-Blow Time 16:09

Blow Sample Number 2 Blow Duration 3.70 sec

Blow Volume 1833 cc End-of-Blow Time 16:12

Tamper Evident Stamp 625c5675

Test Status Code 0

Test Status Success

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1719

Test Date: 10/29/2013      Test Time: 16:14 EDT

Dry Gas Target: 0.092

Lot Number: AG217702-17      Exp Date: 06/25/2014

Tank Pressure: 919 psi      Barometric Pressure: 700 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:15
CHK	0.094	16:16
BLK	0.000	16:18
CHK	0.094	16:18
BLK	0.000	16:20
CHK	0.094	16:20

Test Status: *Success*

Calibration CRC: A1C6B1C9

DBH

**Intox EC/IR-II: Accuracy Check**

WDL

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1720

Test Date: 10/29/2013      Test Time: 16:23 EDT

Dry Gas Target: 0.276

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 183 psi      Barometric Pressure: 700 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	16:24
CHK	0.282	16:25
BLK	0.000	16:26
CHK	0.282	16:27
BLK	0.000	16:29
CHK	0.281	16:30

Test Status: Success

Calibration CRC: A1C6B1C9



DBH

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010570

System Date: 10/29/2013

System Time: 16:52 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

msl

DBH

**Intox EC/IR-II: Calibration**

NUM

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1721

Test Date: 10/29/2013      Test Time: 16:55 EDT

Dry Gas Target: 0.092

Lot Number: 0651210013-05      Exp Date: 04/01/2014

Tank Pressure: 394 psi      Barometric Pressure: 700 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:56
CAL	0.092	16:56

Test Status: *Success*

Calibration CRC: 5626B5CC

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1722  
Test Date: 10/29/2013      Test Time: 17:00 EDT

Technician Initials: DBH

Dry Gas Target: 0.230

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 183 psi      Barometric Pressure: 700 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	17:00
BLK	0.000	17:01
CHK	0.228	17:02
BLK	0.000	17:03
CHK	0.228	17:04
BLK	0.000	17:06
CHK	0.228	17:07
BLK	0.000	17:08

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH  
WSH

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1723  
Test Date: 10/29/2013      Test Time: 17:11 EDT

Technician Initials: DBH

Dry Gas Target: 0.138

Lot Number: 2951215012-03      Exp Date: 11/01/2014

Tank Pressure: 781 psi      Barometric Pressure: 700 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	17:12
BLK	0.000	17:13
CHK	0.138	17:13
BLK	0.000	17:15
CHK	0.138	17:15
BLK	0.000	17:17
CHK	0.138	17:18
BLK	0.000	17:19

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

ABL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1724  
Test Date: 10/29/2013      Test Time: 17:22 EDT

Technician Initials: DBH

Dry Gas Target: 0.074

Lot Number: 0651208012-03      Exp Date: 04/01/2014

Tank Pressure: 149 psi      Barometric Pressure: 700 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	17:22
BLK	0.000	17:23
CHK	0.074	17:24
BLK	0.000	17:25
CHK	0.074	17:26
BLK	0.000	17:27
CHK	0.074	17:28
BLK	0.000	17:29

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

**Intox EC/IR-II: Certification**

*DBH*

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1725  
Test Date: 10/29/2013      Test Time: 17:32 EDT

Technician Initials: DBH

Dry Gas Target: 0.018

Lot Number: 0771302011-02      Exp Date: 05/01/2015

Tank Pressure: 1075 psi      Barometric Pressure: 700 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	17:32
BLK	0.000	17:33
CHK	0.018	17:34
BLK	0.000	17:35
CHK	0.018	17:36
BLK	0.000	17:37
CHK	0.018	17:38
BLK	0.000	17:39

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success



**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1726

Test Date: 10/29/2013      Test Time: 17:42 EDT

Dry Gas Target: 0.276

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 178 psi      Barometric Pressure: 700 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	17:44
CHK	0.279	17:44
BLK	0.000	17:46
CHK	0.279	17:47
BLK	0.000	17:48
CHK	0.279	17:49

Test Status: *Success*

Calibration CRC: 5626B5CC

DBH

WHL

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010570      Test Number: 1727

Test Date: 10/29/2013      Test Time: 17:52 EDT

Dry Gas Target: 0.092

Lot Number: AG320502-24      Exp Date: 07/24/2015

Tank Pressure: 1120 psi      Barometric Pressure: 700 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	17:53
CHK	0.092	17:54
BLK	0.000	17:55
CHK	0.092	17:56
BLK	0.000	17:57
CHK	0.092	17:58

Test Status: *Success*

Calibration CRC: 5626B5CC




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/29/2013</b>
TEST EQUIPMENT NUMBER <b>010570</b>		

RESULTS: TIME SAMPLE TAKEN **18:07 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 30 Oct 2013 at 13:43

TLN  
DBH  
WML

## Test Results

Instrument Serial Number 010570

Test # 001728 Subject Test

Test Location 1 Department of  
Test Date 29 Oct 2013

Test Location 2 Forensic Science  
Test Time 18:00  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B  
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 29 Oct 2013 End Time 18:08

Result Time 18:07

Result Date 29 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 18:01

Data Type BLK

Sample Value 0.000

Sample Time 18:02

Data Type CHK

Sample Value 0.093

Sample Time 18:02

Data Type BLK

Sample Value 0.000

Sample Time 18:04

Data Type SUBJ

Sample Value 0.000

Sample Time 18:04

Data Type BLK

Sample Value 0.000

Sample Time 18:05

Data Type SUBJ

Sample Value 0.000

Sample Time 18:07

Data Type BLK

Sample Value 0.000

Sample Time 18:08

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG320502-24

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 700 mmHg

Blow Sample Number 1 Blow Duration 3.83 sec

Blow Volume 1984 cc End-of-Blow Time 18:04

Blow Sample Number 2 Blow Duration 3.56 sec

Blow Volume 1855 cc End-of-Blow Time 18:07

Tamper Evident Stamp a6df1d1f

Test Status Code 0

Test Status Success